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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,920	04/05/2004	Mcng-Cheng Huang	OP-092000356	3115

7590

03/13/2006

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EXAMINER

EDMONDSON, LYNNE RENEE

ART UNIT	PAPER NUMBER
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1725

DATE MAILED: 03/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/816,920

Applicant(s)

HUANG ET AL.

Examiner

Lynne Edmondson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 April 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 8-10 and 12 is/are rejected.
- 7) ☒ Claim(s) 4-7 and 11 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-3 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Copp (USPN 5972150).

Copp teaches an apparatus comprising a platform (46) with a Cu seat (34, 96) for receiving the workpiece, a first laminating unit (36), a second laminating unit (38), a movable fusion (heater) mounted to the platform wherein the laminating units sequentially press the workpiece and perform sealing (figures 1, 3, 8A and 8B and col 4 lines 15-43, col 5 lines 13-27, col 6 lines 8-17 and col 10 lines 38-59).

3. Claims 1, 10 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Hagedorn et al. (USPN 6315850 B1).

Hagedorn teaches an apparatus comprising a platform with a seat for receiving the workpiece, a first laminating unit (22), a second laminating unit (24), a movable

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fusion (heater) mounted to the platform inside of an enclosure (12) wherein the laminating units sequentially press the workpiece and perform sealing and (figures 12 and 3, col 7 lines 25-52, col 10 line 44 – col 11 line 25).

4. Claims 1 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Schoder (USPN 3166462).

Schoder teaches an apparatus comprising a platform with a seat for receiving the workpiece, a first laminating unit (8), a second laminating unit (9), a movable fusion (heaters 9) mounted to the platform wherein the laminating units sequentially press the workpiece and perform sealing (figures 1 and 2 and col 2 lines 31-66).

5. Claims 1 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Schaumburg (USPN 3627617).

Schaumburg teaches an apparatus comprising a platform (11) with a seat for receiving the workpiece (cover), a first laminating unit (70), a second laminating unit (71), a movable fusion (heaters) mounted to the platform wherein the laminating units sequentially press the workpiece and perform sealing (figure 2 and col 2 line 43 – col 4 line 18).

6. Claims 1, 8, 9 and 12 are rejected under 35 U.S.C. 102(e) as being anticipated by Urano (US 2002/0088555 A1).

Urano teaches an apparatus comprising a platform with a seat for receiving the workpiece, a first laminating unit, a second laminating unit, a movable fusion (heater) mounted to the platform wherein the laminating units sequentially press the workpiece and perform sealing (paragraphs 30-34). A coordinate mechanism is employed for moving the fusion head relative to the work (paragraphs 6 and 7).

Allowable Subject Matter

7. Claims 4-7 and 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Gehde (USPN 6877539), Tsunoda et al. (USPN 4734155) and Ishida et al. (USPN 4846925).

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lynne Edmondson whose telephone number is (571) 272-1172. The examiner can normally be reached on Monday through Thursday from 6:30 a.m. to 5 p.m.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lynne Edmondson
Primary Examiner
Art Unit 1725

LE
3/7/06

LRE